

Abstract Submitted  
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**Applied plasma physics at Marquette University** T. D. THARP,  
Marquette University — A new applied plasma physics laboratory is currently under construction at Marquette University. With emphases on both physics and engineering, our lab seeks to give undergraduates an opportunity to contribute to world-class research. Initially, our work will focus on the development of non-neutral plasma diagnostics for use on the ALPHA antimatter experiment at CERN. As our effort grows, we will also be seeking collaborative opportunities to involve students in industry and the quasineutral plasma research community. A description of planned research activities will be presented.

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